

Residue No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Pepper																																																		
Guava	M	A	R	V	V																																													
Banana																																																		

Residue No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Pepper																																																		
Guava																																																		
Banana																																																		

Residue No.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
Pepper																																																		
Guava																																																		
Banana																																																		

Residue No.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
Pepper																																																		
Guava																																																		
Banana																																																		

Residue No.	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
Pepper																																																		
Guava																																																		
Banana																																																		

Residue No.	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Pepper																																																		
Guava																																																		
Banana																																																		

FIG. 1A

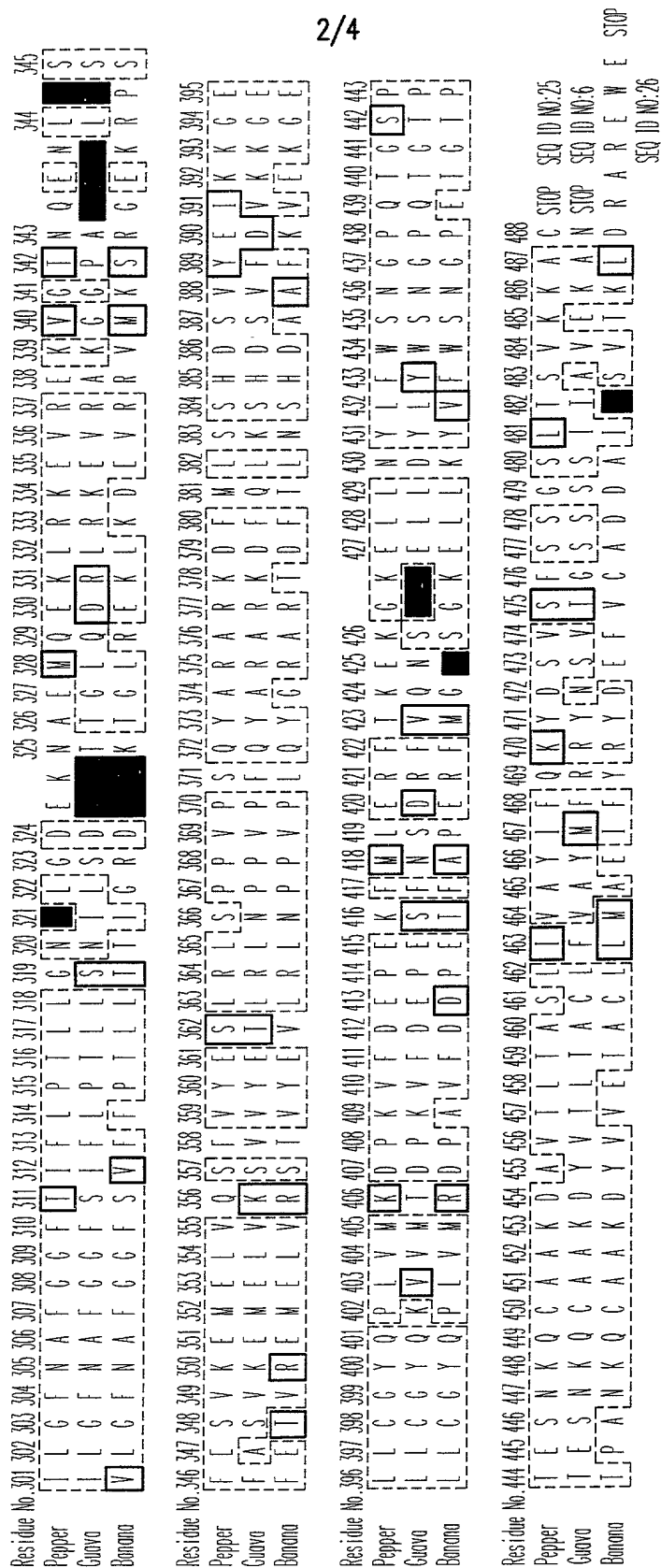


FIG.1B

Residue No.	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
Nucleotide codon	CTG	GAT	TCT	TGG	GCA	TAC	CCT	TTT	GCG	CTG	ATC	GCG	GAC	TAC	ATC	ATG	CTC	TAC	CAG	TTC	ATC	ATG	ATG	GAA	GAC	GCA	GCG	GCA	GAA	GCG	CTC	GAA	ATG	GCG	GAC	TTC	GGA	TTC	ACA	CAC	CAC	GAC	GCG	ATC	CAC	ATC	CTG	CTC	TTC	
Amino acid <sup>a</sup>	L	H	S	W	A	Y	P	F	A	L	V	S	G	D	Y	N	K	L	Y	Q	E	I	E	K	E	C	R	F	A	V	F	R	A	K	A	E	F	G	I	T	H	Q	F	A	I	H	N	I	I	F

**FIG. 2A**

Residue No.	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488		
Nucleotide codon	GCG	GCT	AGC	GAC	TAC	GTC	ACC	CTC	ACC	GCT	TGT	CCT	TTC	GTT	GGG	TAC	ATG	TTT	CGA	CGG	TAC	ATT	TGC	GTC	ACA	GGA	AGC	TGC	AGC	TGC	ATC	ACA	GCC	GTT	GAA	AGC	GCC	AAC	SEQ ID NO:27	
Amino acid	A	A	K	D	Y	V	I	L	L	T	A	C	L	F	V	A	Y	M	F	R	R	Y	N	S	V	T	C	S	S	S	S	I	T	A	V	E	K	A	N	SEQ ID NO:6

4/4  
449 450  
CAG TGC  
Q C  
Heme Binding Site